optimum variant. Based on the extrusion process developed in this connection, bone screws made of PAEK reinforced with carbon fibers were manufactured and characterized. --

IN THE CLAIMS

Amend claims 1 and 2 as shown below.

1. **THREE TIMES AMENDED** (Clean copy. A marked-up version is also attached). A process for manufacturing components made of fiber-reinforced thermoplastic materials, where a blank formed of fibers and a thermoplastic materials is first pre-finished, and said blank is brought into a final form of a component in a negative mold, under pressure, in a hot-forming process, comprising the steps of:

heating the entire blank to a forming temperature with dough-like, or honey-like consistency in a heating stage,

pressing said heated blank into the negative mold, and

shaping the blank in the negative mold by virtue of the entire blank flowing from the heating stage into the negative mold.

2. **THREE TIMES AMENDED** (Clean copy. A marked-up version is also attached).

A process for manufacturing components which are under stress, made of fiber-reinforced thermoplastic materials, where a blank formed with a fiber proportion of more than 50 volume-% and with at least predominant use of endless fibers and said fiber-reinforced thermoplastic material is first pre-finished, and said blank is brought into a final form of a component in a negative mold, under pressure, in a hot-forming process, comprising the steps of:

heating the entire blank to a forming temperature with dough-like, or honey-line consistency in a heating stage,

pressing said heated blank into the negative mold, and

shaping the blank in the negative mold by virtue of the entire blank flowing from the heating stage into the negative mold.

REMARKS

Reconsideration of this application is requested, particularly in light of the amendments and comments presented herein.

The objections stated in numbered paragraphs 3 and 4 of the Detailed Action are believed to have been overcome by the amendments to the Specification and Abstract presented herein.